

Zefeng (Daniel) Wang

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EXPERIENCE

Full-Stack Software Engineer @ Datadog

July 2022 – Present

- Building the Incident Management app to enable accelerated incident resolution time (Python, TypeScript, Go)
- Iterate on customer feedback & develop features to improve user experience (ex. private incidents, workstreams)
- Collaborate across teams to provide integrations for chat (Slack) and internal features (dashboards, graphing, etc.)
- Enhance culture by participating in processes such as mentoring interns, interviewing, and planning team events

Fall Software Engineering Intern @ Tesla

September – December 2021

- Enhanced observability for multiple microservices (Go, Python) by implementing distributed tracing using Sentry to identify bottlenecks resulting in significant (>50%) decreases in p95 run time for various API endpoints
- Reduced friction in developer experience by implementing Tilt and Helm charts to run app in local K8s cluster
- Migrated event streaming from RabbitMQ to Kafka to improve scalability and reduce downtime for users

Engineering Summer Analyst @ Goldman Sachs

June – August 2021

- Productionized financial reporting program and conducted user acceptance testing with product owner
- Revamped API queries to ensure data is more highly available using internal modelling/functional language (PURE)
- Leveraged caching and abstracted implementation to decrease flakiness and improve speed by 30% for calculator

Software Developer Co-op @ Intuit

May – December 2020

- Improved accessibility of metrics using Java and Go on the Observability team for QuickBooks Online product
- Developed API in Go by implementing schema & CRUD functions for a MySQL database, configuring Elasticsearch index to improve search efficiency, and setting up infrastructure for Kubernetes cluster
- Improved readability of metrics using Micrometer and Hystrix (Spring), leveraging aspect-oriented programming

Backend Web Engineer @ BusRight, Inc

November 2019 – November 2020

- Improved web API by adding new features, enforcing test-driven development, and increasing efficiency
- Developed password reset process by adding functionality to get info from database & send emails via SendGrid
- Enforced persistent notifications by writing endpoints to get/send notifications to collections in Cloud Firestore
- Added Cloud Functions for daily database backup and profile picture functions triggered on user deletion/creation

Project Lead, Developer @ Sandbox at Northeastern

September 2019 – April 2022

- Led team of five to build web-based game application for research client used in study with >200 participants
- Created multiple applications, including a mobile app used in a memory study and a web app with > 50,000 users

Core Team – Sponsorship, Tech @ HackBeanpot Inc

May 2019 – December 2021

- Organized annual hackathon for ~200 students, raising >\$20,000 and improving technical infrastructure
- Led small team in revamping judging system to be more holistic by fixing scheduling algorithm and user-facing site

PROJECTS

GratitudeNU (TypeScript, NextJS, NestJS, PostgreSQL)

- Developed full-stack application for users to play game together concurrently using NestJS server-sent events
- Implemented API using NestJS (Express.js) service/controller architecture to handle multiple users' interactions

MGH Video Journal (React Native, TypeScript)

- Built mobile app using React Native that allows study participants to record videos that are uploaded to Dropbox
- Implemented Google Cloud Function to authenticate users and sends files from Cloud Storage via Dropbox API

SearchNEU (NodeJS, React, TypeScript)

- Developed custom components in React to improve loading times ~30x and enable simpler, filtered search
- Migrated no-SQL data store to relational database using ORM and refactored web scraper using Cheerio (jQuery)

COMPUTER KNOWLEDGE

- **Languages:** Python, JavaScript/TypeScript (NodeJS, React), Java, Golang, HTML, CSS, SQL, C,
- **Tools/Libraries:** Elasticsearch, Docker, Kubernetes, (Postgre)SQL, *nix, Git(hub), Google Cloud,

EDUCATION

Northeastern University, Khoury College of Computer Sciences

Bachelor of Science in Computer Science & Business Administration (Magna Cum Laude)

Boston, MA

2022